

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/013179

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D471/04 A61K31/41 A61P35/00
//(C07D471/04,235:00,221:00)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| P,X | WO 2004/058759 A (3M INNOVATIVE PROPERTIES COMPANY) 15 July 2004 (2004-07-15) Ex. 122, 147, 499, 505, 715, 821 ----- | 1,6-10, 12 |
| P,A | WO 03/097641 A (NOVARTIS AG; NOVARTIS PHARMA GMBH; GARCIA-ECHEVERRIA, CARLOS; CAPRARO,) 27 November 2003 (2003-11-27) the whole document ----- | 1-12 |
| A | US 6 331 539 B1 (CROOKS STEPHEN L ET AL) 18 December 2001 (2001-12-18) the whole document ----- | 1-12 |
| A | US 5 605 899 A (GERSTER JOHN F 'US! ET AL) 25 February 1997 (1997-02-25) the whole document ----- | 1-12 |
| | ----- -/-- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Z document member of the same patent family

Date of the actual completion of the international search

8 March 2005

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Fritz, M

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PCT/EP2004/013179

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | EP 1 256 582 A (HOKURIKU SEIYAKU CO., LTD) 13 November 2002 (2002-11-13) the whole document ----- | 1-12 |
| A | WO 02/46188 A (3M INNOVATIVE PROPERTIES COMPANY; CROOKS, STEPHEN L; GRIESGRABER, GEOR) 13 June 2002 (2002-06-13) the whole document ----- | 1-12 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013179

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| WO 2004058759 | A | 15-07-2004 | WO 2004058759 A1 | 15-07-2004 |
| | | | US 2004147543 A1 | 29-07-2004 |
| WO 03097641 | A | 27-11-2003 | CA 2485012 A1 | 27-11-2003 |
| | | | WO 03097641 A2 | 27-11-2003 |
| | | | EP 1509521 A2 | 02-03-2005 |
| US 6331539 | B1 | 18-12-2001 | AU 772179 B2 | 08-04-2004 |
| | | | AU 5328400 A | 02-01-2001 |
| | | | BR 0011433 A | 05-03-2002 |
| | | | CA 2376305 A1 | 21-12-2000 |
| | | | CN 1354663 A | 19-06-2002 |
| | | | CZ 20014363 A3 | 13-03-2002 |
| | | | EE 200100669 A | 17-02-2003 |
| | | | EP 1198233 A1 | 24-04-2002 |
| | | | HR 20010890 A1 | 31-08-2003 |
| | | | HU 0201431 A2 | 28-08-2002 |
| | | | JP 2003501474 T | 14-01-2003 |
| | | | MX PA01012547 A | 14-10-2003 |
| | | | NO 20015502 A | 07-02-2002 |
| | | | NZ 515967 A | 31-10-2003 |
| | | | PL 352554 A1 | 25-08-2003 |
| | | | SK 17922001 A3 | 04-04-2002 |
| | | | TR 200103575 T2 | 21-06-2002 |
| | | | WO 0076519 A1 | 21-12-2000 |
| | | | US 2004029877 A1 | 12-02-2004 |
| | | | US 2003130299 A1 | 10-07-2003 |
| | | | US 2004204438 A1 | 14-10-2004 |
| | | | AU 766565 B2 | 16-10-2003 |
| | | | AU 5328100 A | 02-01-2001 |
| | | | AU 773113 B2 | 20-05-2004 |
| | | | AU 6334900 A | 02-01-2001 |
| | | | BR 0011448 A | 14-12-2004 |
| | | | BR 0014214 A | 08-09-2004 |
| | | | CA 2376296 A1 | 21-12-2000 |
| | | | CA 2376304 A1 | 21-12-2000 |
| | | | CN 1353609 A | 12-06-2002 |
| | | | CN 1355701 A | 26-06-2002 |
| | | | CZ 20014364 A3 | 13-03-2002 |
| | | | EE 200100668 A | 17-02-2003 |
| | | | EE 200100670 A | 17-02-2003 |
| | | | EP 1198232 A1 | 24-04-2002 |
| | | | EP 1187613 A1 | 20-03-2002 |
| | | | EP 1438958 A1 | 21-07-2004 |
| | | | HR 20010888 A1 | 31-08-2003 |
| | | | HR 20010889 A1 | 31-08-2003 |
| | | | HU 0201664 A2 | 28-08-2002 |
| | | | HU 0202254 A2 | 28-10-2002 |
| | | | JP 2003501466 T | 14-01-2003 |
| | | | JP 2003501473 T | 14-01-2003 |
| | | | MX PA01012508 A | 02-07-2002 |
| | | | NO 20015503 A | 08-02-2002 |
| | | | NO 20015504 A | 07-02-2002 |
| US 5605899 | A | 25-02-1997 | US 5389640 A | 14-02-1995 |
| | | | US 5977366 A | 02-11-1999 |
| | | | US 2003119861 A1 | 26-06-2003 |
| | | | US 6348462 B1 | 19-02-2002 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013179

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date | |
|---|---------------------|----------------------------|---------------------|------------|
| US 5605899 | A | US 2003212270 A1 | 13-11-2003 | |
| | | US 2004122231 A1 | 24-06-2004 | |
| | | US 5741909 A | 21-04-1998 | |
| | | US 2002115861 A1 | 22-08-2002 | |
| | | AT 179711 T | 15-05-1999 | |
| | | AT 229943 T | 15-01-2003 | |
| | | AU 658621 B2 | 27-04-1995 | |
| | | AU 1566992 A | 06-10-1992 | |
| | | AU 673309 B2 | 31-10-1996 | |
| | | AU 2715795 A | 21-09-1995 | |
| | | CA 2104782 A1 | 02-09-1992 | |
| | | CA 2289219 A1 | 02-09-1992 | |
| | | CZ 9301788 A3 | 18-10-1995 | |
| | | DE 69229114 D1 | 10-06-1999 | |
| | | DE 69229114 T2 | 04-11-1999 | |
| | | DE 69232878 D1 | 30-01-2003 | |
| | | DE 69232878 T2 | 20-11-2003 | |
| | | DK 582581 T3 | 08-11-1999 | |
| | | DK 872478 T3 | 31-03-2003 | |
| | | EP 0582581 A1 | 16-02-1994 | |
| | | EP 0872478 A2 | 21-10-1998 | |
| | | ES 2131070 T3 | 16-07-1999 | |
| | | ES 2186034 T3 | 01-05-2003 | |
| | | HU 67026 A2 | 30-01-1995 | |
| | | HU 211242 B3 | 28-11-1995 | |
| | | HU 220667 B1 | 29-04-2002 | |
| | | HU 222247 B1 | 28-05-2003 | |
| | | HU 222251 B1 | 28-05-2003 | |
| | | HU 222250 B1 | 28-05-2003 | |
| | | IE 920605 A1 | 09-09-1992 | |
| | | IE 990988 A1 | 13-12-2000 | |
| | | IL 101110 A | 08-12-1995 | |
| | | IL 114570 A | 31-10-1996 | |
| | | JP 2955019 B2 | 04-10-1999 | |
| | | JP 6504789 T | 02-06-1994 | |
| | | KR 235389 B1 | 15-12-1999 | |
| | | NO 933069 A | 01-11-1993 | |
| | | NZ 241784 A | 27-06-1995 | |
| | | PH 31614 A | 12-01-1999 | |
| | | SG 46492 A1 | 20-02-1998 | |
| | | SG 70625 A1 | 22-02-2000 | |
| | | WO 9215582 A1 | 17-09-1992 | |
| | | ZA 9201540 A | 25-11-1992 | |
| EP 1256582 | A | 13-11-2002 | AU 3058401 A | 20-08-2001 |
| | | | BG 107067 A | 30-09-2003 |
| | | | BR 0108303 A | 05-03-2003 |
| | | | CA 2399136 A1 | 16-08-2001 |
| | | | EP 1256582 A1 | 13-11-2002 |
| | | | HU 0204474 A2 | 28-04-2003 |
| | | | MX PA02007525 A | 13-12-2002 |
| | | | NO 20023750 A | 07-10-2002 |
| | | | SK 11202002 A3 | 04-03-2003 |
| | | | US 2004054182 A1 | 18-03-2004 |
| | | | CN 1422269 A | 04-06-2003 |
| | | | CZ 20022626 A3 | 12-02-2003 |
| | | | WO 0158900 A1 | 16-08-2001 |
| | | | JP 2002161095 A | 04-06-2002 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/013179

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| EP 1256582 | A | PL 355866 A1 | 31-05-2004 |
| | | ZA 200206698 A | 21-08-2003 |
| WO 0246188 | A | 13-06-2002 | |
| | | AU 3061802 A | 18-06-2002 |
| | | AU 3248202 A | 18-06-2002 |
| | | AU 3249702 A | 18-06-2002 |
| | | AU 3951602 A | 18-06-2002 |
| | | AU 3951702 A | 18-06-2002 |
| | | AU 3953002 A | 18-06-2002 |
| | | BR 0116026 A | 21-12-2004 |
| | | BR 0116047 A | 30-09-2003 |
| | | CA 2430844 A1 | 13-06-2002 |
| | | CA 2431151 A1 | 13-06-2002 |
| | | CA 2436846 A1 | 13-06-2002 |
| | | CA 2436980 A1 | 13-06-2002 |
| | | CA 2436983 A1 | 13-06-2002 |
| | | CA 2436984 A1 | 13-06-2002 |
| | | CN 1479738 A | 03-03-2004 |
| | | CN 1487939 A | 07-04-2004 |
| | | CN 1479739 A | 03-03-2004 |
| | | CZ 20031560 A3 | 12-05-2004 |
| | | CZ 20031561 A3 | 14-04-2004 |
| | | CZ 20031562 A3 | 17-03-2004 |
| | | CZ 20031563 A3 | 18-02-2004 |
| | | CZ 20031591 A3 | 12-11-2003 |
| | | CZ 20031592 A3 | 14-01-2004 |
| | | EE 200300268 A | 15-10-2003 |
| | | EE 200300270 A | 15-10-2003 |
| | | EE 200300271 A | 15-10-2003 |
| | | EE 200300272 A | 15-10-2003 |
| | | EE 200300274 A | 15-10-2003 |
| | | EE 200300275 A | 15-10-2003 |
| | | EP 1341789 A2 | 10-09-2003 |
| | | EP 1341790 A2 | 10-09-2003 |
| | | EP 1341791 A2 | 10-09-2003 |
| | | EP 1339715 A2 | 03-09-2003 |
| | | EP 1341792 A2 | 10-09-2003 |
| | | EP 1343784 A2 | 17-09-2003 |
| | | HR 20030461 A2 | 30-06-2004 |
| | | HR 20030462 A2 | 30-04-2004 |
| | | HR 20030463 A2 | 30-04-2004 |
| | | HR 20030464 A2 | 30-06-2004 |
| | | HR 20030466 A2 | 30-06-2004 |
| | | HR 20030467 A2 | 30-04-2004 |
| | | HU 0400704 A2 | 28-06-2004 |
| | | HU 0400710 A2 | 28-06-2004 |
| | | JP 2004532810 T | 28-10-2004 |